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Roll no. 44

JAVA ASSIGNMENT 1

|  |
| --- |
| import java.util.Scanner; |
|  |  |
|  | class ElectricityBill{ |
|  | float unit; |
|  | void calculateBill(float unitBill) { |
|  | unit = unitBill; |
|  | if(unit<100) |
|  | System.out.println("Bill is : "+(unit\*1.2)); //per unit Rs.1.2 |
|  |  |
|  | else if(unit<=300) |
|  | System.out.println("Bill is : "+(120+(unit-100)\*2)); //for bill of units 0 to 100 = 100\*1.2, above 100 unit Rs.2/unit |
|  |  |
|  | else if(unit>300) |
|  | System.out.println("Bill is : "+(520+(unit-300)\*3)); // for bill of units till 100 = 100\*1.2, between 100 to 300 is 200 units = 200\*2, above 300 units charge is Rs.3 /unit |
|  | } |
|  | } |
|  | public class Assignment1 { |
|  |  |
|  | public static void main(String[] args) { |
|  | // TODO Auto-generated method stub |
|  | System.out.println("Enter no. of units"); |
|  |  |
|  | Scanner sc = new Scanner (System.in); |
|  | float unit = sc.nextFloat(); |
|  |  |
|  | ElectricityBill eb = new ElectricityBill(); |
|  | eb.calculateBill(unit); |
|  | } |
|  |  |
|  | } |

JAVA ASSIGNMENT 2

|  |
| --- |
|  |
| import java.util.Scanner; |
|  |  |
|  | public class Assignment2 { |
|  |  |
|  | public static void main(String[] args) { |
|  | // TODO Auto-generated method stub |
|  | Scanner sc = new Scanner(System.in); |
|  |  |
|  | int six = 0; |
|  | int one = 0; |
|  | int two = 0; |
|  | int three = 0; |
|  | int four = 0; |
|  | int zero = 0; |
|  | int total\_runs=0; |
|  |  |
|  | System.out.println("enter 5 overs runscores between 0-6 : "); |
|  | for(int i=0;i<30;i++) { |
|  | int run = sc.nextInt(); |
|  | switch(run) { |
|  | case 0: |
|  | zero++; |
|  | break; |
|  | case 1: |
|  | one++; |
|  | break; |
|  | case 2: |
|  | two++; |
|  | break; |
|  | case 3: |
|  | three++; |
|  | break; |
|  | case 4: |
|  | four++; |
|  | break; |
|  | case 6: |
|  | six++; |
|  | break; |
|  | } |
|  | total\_runs = total\_runs+run; |
|  |  |
|  | } |
|  |  |
|  | System.out.println("Total runs scored : "+total\_runs); |
|  | System.out.println("No. of 0s : " + zero + "\nNo. of 1s : " + one + "\nNo. of 2s : " + two + "\nNo. of 3s : " + three + "\nNo. of 4s : " + four + "\nNo. of 6s : " + six ); |
|  | System.out.println("Strike rate : "+(total\_runs/30f)+" runs per ball"); |
|  |  |
|  | } |
|  | } |
|  |  |

JAVA ASSIGNMENT 3

|  |
| --- |
| import java.util.Scanner; |
|  |  |
|  | public class Assignment3 { |
|  |  |
|  | public static void main(String[] args) { |
|  | // TODO Auto-generated method stub |
|  |  |
|  | System.out.println("Enter the first Over "); |
|  | Over i1 = new Over(); |
|  | i1.caluclate(); |
|  |  |
|  | System.out.println("\nEnter the Second Over "); |
|  | Over i2 = new Over(); |
|  | i2.caluclate(); |
|  |  |
|  | System.out.println("\n Enter the For Third Over "); |
|  | Over i3 = new Over(); |
|  | i3.caluclate(); |
|  |  |
|  | System.out.println("\nEnter the For Fourth Over "); |
|  | Over i4 = new Over(); |
|  | i4.caluclate(); |
|  |  |
|  | System.out.println("\nEnter the For Fifth Over "); |
|  | Over i5 = new Over(); |
|  | i5.caluclate(); |
|  |  |
|  | System.out.println("Average Score of 5 matches :"); |
|  | System.out.println((float)(i1.total\_runs+i2.total\_runs+i3.total\_runs+i4.total\_runs+i5.total\_runs)/5); |
|  |  |
|  | System.out.println("Total runs : "+(i1.total\_runs+i2.total\_runs+i3.total\_runs+i4.total\_runs+i5.total\_runs)); |
|  |  |
|  | System.out.println("No. of 0s: "); |
|  | System.out.println(i1.zero+i2.zero+i3.zero+i4.zero+i5.zero); |
|  | System.out.println("No. of 1s : "); |
|  | System.out.println(i1.one+i2.one+i3.one+i4.one+i5.one); |
|  | System.out.println("No. of 2s : "); |
|  | System.out.println(i1.two+i2.two+i3.two+i4.two+i5.two); |
|  | System.out.println("No. of 3s: "); |
|  | System.out.println(i1.three+i2.three+i3.three+i4.three+i5.three); |
|  | System.out.println("No. of 4s : "); |
|  | System.out.println(i1.four+i2.four+i3.four+i4.four+i5.four); |
|  | System.out.println("No. of 6s : "); |
|  | System.out.println(i1.six+i2.six+i3.six+i4.six+i5.six); |
|  |  |
|  | System.out.println("Average Strike Rate : "); |
|  | System.out.println((float)(i1.total\_runs+i2.total\_runs+i3.total\_runs+i4.total\_runs+i5.total\_runs)/(i1.balls\_played+i2.balls\_played+i3.balls\_played+i4.balls\_played+i5.balls\_played) + "runs per ball"); |
|  |  |
|  | } |
|  |  |
|  | } |
|  |  |
|  | class Over{ |
|  |  |
|  | int balls\_played = 6 ; |
|  | int six = 0; |
|  | int one = 0; |
|  | int two = 0; |
|  | int three = 0; |
|  | int four = 0; |
|  | int zero = 0; |
|  | int total\_runs=0; |
|  |  |
|  | void caluclate() { |
|  |  |
|  | Scanner sc = new Scanner(System.in); |
|  | System.out.println("runs scored : "); |
|  |  |
|  | for(int i=0;i<balls\_played;i++) { |
|  |  |
|  | int run = sc.nextInt(); |
|  | switch(run) { |
|  | case 0: |
|  | zero++; |
|  | break; |
|  | case 1: |
|  | one++; |
|  | break; |
|  | case 2: |
|  | two++; |
|  | break; |
|  | case 3: |
|  | three++; |
|  | break; |
|  | case 4: |
|  | four++; |
|  | break; |
|  | case 6: |
|  | six++; |
|  | break; |
|  | } |
|  | total\_runs = total\_runs + run; |
|  | } |
|  | } |
|  |  |
|  |  |
|  | } |